









Time (min)	BB protein (%)	Plasma membrane protein (%)
0	10	10
10	12	10
20	15	10
30	18	10
40	20	10
50	22	10
60	23	11
70	24	11
80	25	11
90	25	11
100	25	11
110	25	11
120	25	12

*(Continued from page 60)*



Agents in Singapore: **PUTTAPARKEN & Co.**  
 Agents for Hongkong and China, **SIMPSON & Co.**  
 14th February, 1881. [411]

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**RESPONSIBLE FOR DEBTS.**  
 THE CAPTAINS, the AGENTS, nor the  
 be RESPONSIBLE for any  
 incurred by the Officers or the Crews  
 of the Vessels during their stay in  
 port.—  
 Agents, W. Ellis—Gibb, Livingston  
 Agents, C. K. McNish—Gibb,  
 Agents, Marshall—Dod-  
 Agents, F. P. Shepherd  
 Agents, Thomas—Arnold, Kar-  
 Agents, Heusermann—Simonsen &  
 Agents, Oakes—Oeder.  
 Agents, N. W. Blanchard  
 Agents, O. Binge—Melchers & Co.



## INSURANCES

**T**HE Undersigned having been appointed  
Agents for the above Company, are pre-  
pared to ACCEPT RISKS against FIRE  
and LIFE at Current Rates.  
**REUTER, BRÖCKELMANN & Co.**  
Hongkong, 1st July, 1889. [8]

**THE** Undersigned having been appointed  
Agents for the above Company, are  
prepared to GRANT INSURANCES to the  
extent of \$100,000, on first-class risks at current  
rates.

DUNN, MELBYE & Co.  
Hingham 1914, Boston, 1893.

**THE EQUITABLE LIFE ASSURANCE  
SOCIETY  
OF THE UNITED STATES.**  
**RUSSELL & Co.,**  
Agents.  
Hongkong, 15th November, 1890. [24]

**TRANSATLANTIC FIRE INSURANCE COMPANY OF HAMBURG.**

The Undersigned, having been appointed Agents for the above Company, are prepared to **ACCEPT RISKS** against FIRE at Current Rates.

**SIEMSEN & Co**  
& Co.

Hongkong, 16th November, 1872.

**THE MAN ON INSURANCE CO**  
**PANY, LIMITED.**

—HEAD OFFICE—HONGKONG  
CAPITAL (SUBSCRIBED), \$1,000,000.

BOARD OF DIRECTORS.  
LUM SIN SANG, Esq.  
BAN HUP, Esq. YOW CHONG PENG, Esq.  
CHAN LI CHOY, Esq. Q. HOI CHUNE, Esq.

**The Company GRANTS POLICIES**  
**MARINE RISKS** to all parts of the World  
payable at any of its Agencies.  
(Contributory Dividends are payable to

Contributors of Business, whether they  
Shareholders or not.

WOO LIN YUE  
Secretary.

HEAD OFFICE,  
No. 2, Queen's Road West,  
Hongkong, 14th March, 1881.

**PHENIX FIRE OFFICE**  
The Undersigned are now prepared  
**GRANT POLICIES of INSURANCE** against  
**FIRE** at Current Rates.  
**DOUGLAS LAPRAIK & Co.,**  
Agents for the Phoenix Fire Office  
Hongkong, 17th August, 1887.

**NOTICE.**

**QUEEN FIRE INSURANCE COMPANY.**

The Undersigned, Agents for the above Company, are prepared to **ACCEPT** insurance against **FIRE** at Current Rates.

**NORTON & CO.**

1294 Hongkong 16th July, 1887. Agents.

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**THE CHINA FIRE INSURANCE COMPANY, LIMITED,**  
ESTABLISHED 1870.  
HEAD OFFICE.—HONGKONG.  
CAPITAL TWO MILLION DOLLARS.  
PAID-UP CAPITAL:—\$400,000.

PAIDUP ORANGE	74
RESERVE FUND	74
CLAIMS PAID	54
BONUSES PAID	48
RISKS accepted at CURRENT RATES	
PREMIA.	
JAS. B. COUGHTREY	
Secretary.	
Hongkong, 15th April, 1891.	

load  
quick

**FIRE INSURANCE COMPANY, OF  
IN HAMBURG.**

**T**HE Undersigned having been appointed  
Agents for the above Company,  
prepared to **ACCEPT RISKS**, against Fire  
at **Current Rates**.

**BETTER BROCKELMANN & CO.**

**HONGKONG.**  
- STEAMERS.

Active, Danish str., 855, H. Rygom, June  
A. R. Marty  
Afghan, British str., 1493, Golding, June  
Donnell, O'Hill & Co., for Shanghai,  
Airtie, British str., 1492, W. Ellis, June  
Gibb, Livingston & Co.  
Amoy, German str., 815, Lehmann, June  
Siemssen & Co., for Shanghai

Ancone, British str., 1,888, W. Macle, J.  
 P. & O. S. N. Co., for Japan  
 Ardrey, British str., 1,081, R. Cass, J.  
 Jardine, Matheson & Co.  
 Bantam, Dabob str., 1,620, Loovalle, J.  
 Jardine, Matheson & Co.  
 Bewdler, British str., 1,291, McIntosh, J.  
 Gibb, Livingston & Co.  
 Chinese, British str., 1,053, W. W. P.

486  
GO  
D

Cowley, British str., 1900, P. H. Loff, Jun.  
June 17, Yuen Fat Hong, for Bangkok  
Choysang, British str., 1,191, Brady, Jun.  
Jardine, Matheson & Co., for Shanghai  
Derwanges, Brit. str., 1057, P. H. Loff, Jun.  
22, Yuen Fat Hong, for Bangkok  
Diamante, British str., 514, Taylor, Jun.  
Shewan & Co., for Manila  
Elektra, Austrian str., 2,095, Bellen, Jun.

David Sassoon, Sons & Co., for Bombay  
Empress of India, Brit. str., 3003, Marshall,  
28, Dodwell, Carill & Co., for Yemouca  
Nashan, British str., 1435, H. C. & M. Ste  
boat Co., for Canton  
Frej, Danish str., 392, O. L. Strand, June  
Arnhold, Kurborg & Co.  
Glengly, British str., 2214, Gasson, June

Jardine, Matheson & Co.  
Halleons, British str. 786, J. Roach, Junr.  
Douglas Lauprak & Co., for Tamsan  
Hankow, British str. 235, Lloyd, Butters  
& Swire, for Canton  
Huangshan, British str. 1054, Brock, Junr.  
H. A. & M. Steamboat Co., for Macao  
Houan, British str. 1314, G. B. Lafasour,

C. & M. Steamboat Co., for Canton  
Kiangwan, Chi. str., 1,030, Knights, Mar.  
C. M. S. N. Co., for Canton  
Kinkiang, British str., 1,031, W. E. Cla  
H. O. & M. Steamboat Co.  
Kinkowah, British str., 238, A. Craiksha  
H. O. & M. Steamboat Co.  
Lancetot, British str., 1,554, Thomas, June  
Amoy, 31, Kowloon, Chi. Co.

Libbey, British str., 885, G. Grant, June  
E. C. Ray  
Manmenthaire, British str., 1,879, Cami  
June 24, Dodwell, Carrill & Co., for N. Y.  
Nemo, British str., 863, Goddard, June  
Douglas, Isprank & Co., for Coast Ports  
Ningchow, British str., 1,735, Allen, June  
Arnold, Karberg & Co. for Shanghai.

161 Ninero, German str., 762, R. Koehler, Jane  
Stemson & Co., for Shanghai  
NS Oxford, British str., 1891, W. Jones, Jane  
Butterfield & Swire  
Late Pasig, British str., 224, Chinese, for Canton  
on Pilot Fish, British str., 117, Stopani, H. &  
Dook Co.  
Pollax German str., 888, H. Hellmers, Jane

**Melchers & Co:**  
 Pówan, British str., 1,812, S. W. Goggis, H.  
 & M. Steamboat Co., for Canton  
 Ravenna, British str., 1,915, E. Crow, June  
 P. & O. S. N. Co., for Europe  
 Shaw, British str., 992, J. M. Tulloch, Jane  
 Chinese  
 Smith, Chinese str., 700, H. Leffer, Jane

Tuck York, for Swatow, Amoy, & Lamsu  
Store Nordisk. Danish t. la. str., Petersen, N  
30, G. N. T. Co.  
Sussex, British str., 1,620, H. E. Hole, June  
Gibb, Livingston & Co., for Victoria  
Tai On, B. Polish str., 769, Golecinski, April  
Chinese, for Canton  
Tai Viok, German str., 903, Runko, June  
M. B. C. Co.

Tayar, British str., 1,587, Bailey, June  
 Gibb, Livingston & Co.  
 Tongkhan, British str., 1,111, Young, June  
 Kien Tye Loong  
 Triton, German str., 1,816, C. Deeler, June  
 Butterfield & Swire  
 Triumph, German str., 674, J. Bruhn, June  
 Ed. Schallhaas & Co.

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26